

RAW SEQUENCE LISTING

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Application Serial Number: 10/594, 293
Source: IFWP
Date Processed by STIC: 10/05/2006

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IFWP

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/594,293

DATE: 10/05/2006
TIME: 09:43:33

Input Set : A:\PB60806seqlist.txt
Output Set: N:\CRF4\10052006\J594293.raw

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5 <110> APPLICANT: Glaxo Group Limited
7     Ellis, Jonathan H
9     Eon-Duval, Alexandre
11    Germaschewski, Volker
13    Plumpton, Christopher
15    Rapson, Nicholas Timothy
17    West, Michael Robert
21 <120> TITLE OF INVENTION: Immunoglobulins
25 <130> FILE REFERENCE: PB60806
C--> 29 <140> CURRENT APPLICATION NUMBER: US/10/594,293
C--> 31 <141> CURRENT FILING DATE: 2006-09-26
35 <150> PRIOR APPLICATION NUMBER: GB 0407197.3
37 <151> PRIOR FILING DATE: 2004-03-30
41 <150> PRIOR APPLICATION NUMBER: GB 0407193.2
43 <151> PRIOR FILING DATE: 2004-03-30
47 <160> NUMBER OF SEQ ID NOS: 65
51 <170> SOFTWARE: PatentIn version 3.1
55 <210> SEQ ID NO: 1
57 <211> LENGTH: 5
59 <212> TYPE: PRT
61 <213> ORGANISM: Mus sp.
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73 <211> LENGTH: 16
75 <212> TYPE: PRT
77 <213> ORGANISM: Mus sp.
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87 <210> SEQ ID NO: 3
89 <211> LENGTH: 12
91 <212> TYPE: PRT
93 <213> ORGANISM: Mus sp.
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105 <211> LENGTH: 10
107 <212> TYPE: PRT
109 <213> ORGANISM: Mus sp.
113 <400> SEQUENCE: 4

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115 Ser Gly Ser Ser Ser Val Ser Tyr Met Tyr
116 1 5 10
119 <210> SEQ ID NO: 5
121 <211> LENGTH: 7
123 <212> TYPE: PRT
125 <213> ORGANISM: Mus sp.
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132 1 5
135 <210> SEQ ID NO: 6
137 <211> LENGTH: 9
139 <212> TYPE: PRT
141 <213> ORGANISM: Mus sp.
145 <400> SEQUENCE: 6
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148 1 5
151 <210> SEQ ID NO: 7
153 <211> LENGTH: 120
155 <212> TYPE: PRT
157 <213> ORGANISM: Mus sp.
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164 1 5 10 15
167 Ser Leu Ser Ile Thr Cys Thr Val Ser Gly Phe Ser Leu Thr Asn Tyr
168 20 25 30
171 Gly Val His Trp Val Arg Gln Ser Pro Gly Lys Gly Leu Glu Trp Leu
172 35 40 45
175 Gly Val Ile Trp Arg Gly Gly Ser Thr Asp Tyr Asn Ala Ala Phe Met
176 50 55 60
179 Ser Arg Leu Ser Ile Thr Lys Asp Asn Ser Arg Ser Gln Val Phe Phe
180 65 70 75 80
183 Lys Met Asn Ser Leu Gln Ala Asp Asp Thr Ala Ile Tyr Tyr Cys Ala
184 85 90 95
187 Lys Ser Pro Asn Ser Asn Phe Tyr Trp Tyr Phe Asp Val Trp Gly Thr
188 100 105 110
191 Gly Thr Thr Val Thr Val Ser Ser
192 115 120
195 <210> SEQ ID NO: 8
197 <211> LENGTH: 106
199 <212> TYPE: PRT
201 <213> ORGANISM: Mus sp.
205 <400> SEQUENCE: 8
207 Gln Ile Val Leu Thr Gln Ser Pro Thr Ile Met Ser Ala Ser Pro Gly
208 1 5 10 15
211 Glu Lys Val Thr Met Thr Cys Ser Gly Ser Ser Ser Val Ser Tyr Met
212 20 25 30
215 Tyr Trp Tyr Gln Glu Lys Pro Gly Ser Ser Pro Arg Leu Leu Ile Glu
216 35 40 45
219 Asp Thr Ser Asn Leu Ala Ser Gly Val Pro Ala Arg Phe Ser Gly Ser

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220 . 50 55 60
223 Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile Ser Arg Met Glu Ala Glu
224 65 70 75 80
227 Asp Ala Ala Thr Tyr Tyr Cys Gln Gln Trp Ser Ser Tyr Pro Pro Thr
228 . 85 90 95
231 Phe Gly Ser Gly Thr Lys Leu Glu Ile Lys
232 100 105
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237 <211> LENGTH: 120
239 <212> TYPE: PRT
241 <213> ORGANISM: Artificial sequence
245 <220> FEATURE:
247 <223> OTHER INFORMATION: VH domain (humanised, B3)
249 <400> SEQUENCE: 9
251 Gln Val Gln Leu Val Glu Ser Gly Gly Val Val Gln Pro Gly Arg
252 1 5 10 15
255 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ser Leu Thr Asn Tyr
256 20 25 30
259 Gly Val His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
260 35 40 45
263 Ala Val Ile Trp Arg Gly Gly Ser Thr Asp Tyr Asn Ala Ala Phe Met
264 50 55 60
267 Ser Arg Phe Thr Ile Ser Lys Asp Asn Ser Lys Asn Thr Leu Tyr Leu
268 65 70 75 80
271 Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ala
272 85 90 95
275 Lys Ser Pro Asn Ser Asn Phe Tyr Trp Tyr Phe Asp Val Trp Gly Arg
276 100 105 110
279 Gly Thr Leu Val Thr Val Ser Ser
280 115 120
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285 <211> LENGTH: 106
287 <212> TYPE: PRT
289 <213> ORGANISM: Artificial sequence
293 <220> FEATURE:
295 <223> OTHER INFORMATION: VL domain (humanised, L2)
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300 1 5 10 15
303 Glu Arg Ala Thr Leu Ser Cys Ser Gly Ser Ser Ser Val Ser Tyr Met
304 20 25 30
307 Tyr Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Arg Leu Leu Ile Glu
308 35 40 45
311 Asp Thr Ser Asn Leu Ala Ser Gly Ile Pro Ala Arg Phe Ser Gly Ser
312 50 55 60
315 Gly Ser Gly Thr Asp Tyr Thr Leu Thr Ile Ser Asn Leu Glu Pro Glu
316 65 70 75 80
319 Asp Phe Ala Val Tyr Tyr Cys Gln Gln Trp Ser Ser Tyr Pro Pro Thr
320 85 90 95

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 324 100 105
 327 <210> SEQ ID NO: 11
 329 <211> LENGTH: 450
 331 <212> TYPE: PRT
 333 <213> ORGANISM: Artificial sequence
 337 <220> FEATURE:
 339 <223> OTHER INFORMATION: Heavy chain (humanised)
 341 <400> SEQUENCE: 11
 343 Gln Val Gln Leu Val Glu Ser Gly Gly Val Val Gln Pro Gly Arg
 344 1 5 10 15
 347 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ser Leu Thr Asn Tyr
 348 20 25 30
 351 Gly Val His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 352 35 40 45
 355 Ala Val Ile Trp Arg Gly Gly Ser Thr Asp Tyr Asn Ala Ala Phe Met
 356 50 55 60
 359 Ser Arg Phe Thr Ile Ser Lys Asp Asn Ser Lys Asn Thr Leu Tyr Leu
 360 65 70 75 80
 363 Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ala
 364 85 90 95
 367 Lys Ser Pro Asn Ser Asn Phe Tyr Trp Tyr Phe Asp Val Trp Gly Arg
 368 100 105 110
 371 Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val
 372 115 120 125
 375 Phe Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala
 376 130 135 140
 379 Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser
 380 145 150 155 160
 383 Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val
 384 165 170 175
 387 Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro
 388 180 185 190
 391 Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys
 392 195 200 205
 395 Pro Ser Asn Thr Lys Val Asp Lys Lys Val Glu Pro Lys Ser Cys Asp
 396 210 215 220
 399 Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly
 400 225 230 235 240
 403 Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile
 404 245 250 255
 407 Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu
 408 260 265 270
 411 Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His
 412 275 280 285
 415 Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg
 416 290 295 300
 419 Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys
 420 305 310 315 320

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423 Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu
424 325 330 335
427 Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr
428 340 345 350
431 Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu
432 355 360 365
435 Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp
436 370 375 380
439 Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val
440 385 390 395 400
443 Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp
444 405 410 415
447 Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His
448 420 425 430
451 Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro
452 435 440 445
455 Gly Lys
456 450
459 <210> SEQ ID NO: 12
461 <211> LENGTH: 213
463 <212> TYPE: PRT
465 <213> ORGANISM: Artificial sequence
469 <220> FEATURE:
471 <223> OTHER INFORMATION: Light chain (humanised)
473 <400> SEQUENCE: 12
475 Glu Ile Val Leu Thr Gln Ser Pro Ala Thr Leu Ser Leu Ser Pro Gly
476 1 5 10 15
479 Glu Arg Ala Thr Leu Ser Cys Ser Gly Ser Ser Ser Val Ser Tyr Met
480 20 25 30
483 Tyr Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Arg Leu Leu Ile Glu
484 35 40 45
487 Asp Thr Ser Asn Leu Ala Ser Gly Ile Pro Ala Arg Phe Ser Gly Ser
488 50 55 60
491 Gly Ser Gly Thr Asp Tyr Thr Leu Thr Ile Ser Asn Leu Glu Pro Glu
492 65 70 75 80
495 Asp Phe Ala Val Tyr Tyr Cys Gln Gln Trp Ser Ser Tyr Pro Pro Thr
496 85 90 95
499 Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg Thr Val Ala Ala Pro
500 100 105 110
503 Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly Thr
504 115 120 125
507 Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala Lys
508 130 135 140
511 Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln Glu
512 145 150 155 160
515 Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser Ser
516 165 170 175
519 Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr Ala
520 180 185 190

VERIFICATION SUMMARY
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L:31 M:271 C: Current Filing Date differs, Replaced Current Filing Date